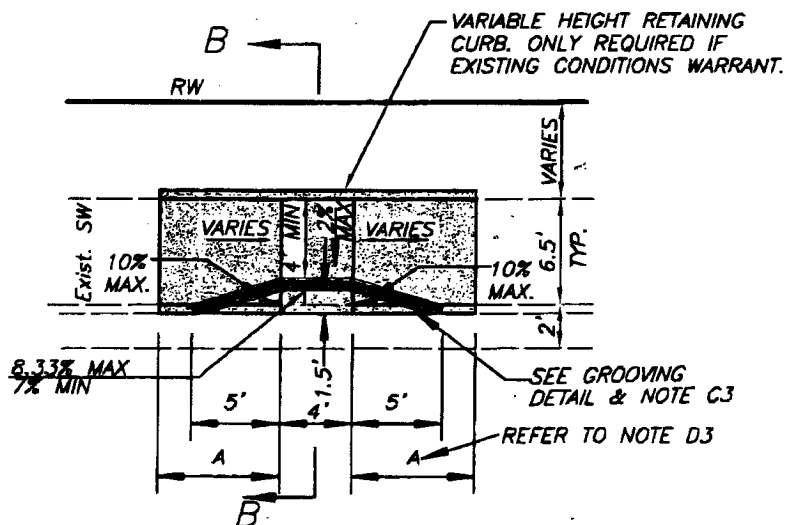


NOTE:
The "A" dimension shall be adjusted to meet the slope requirements as shown on this plan.

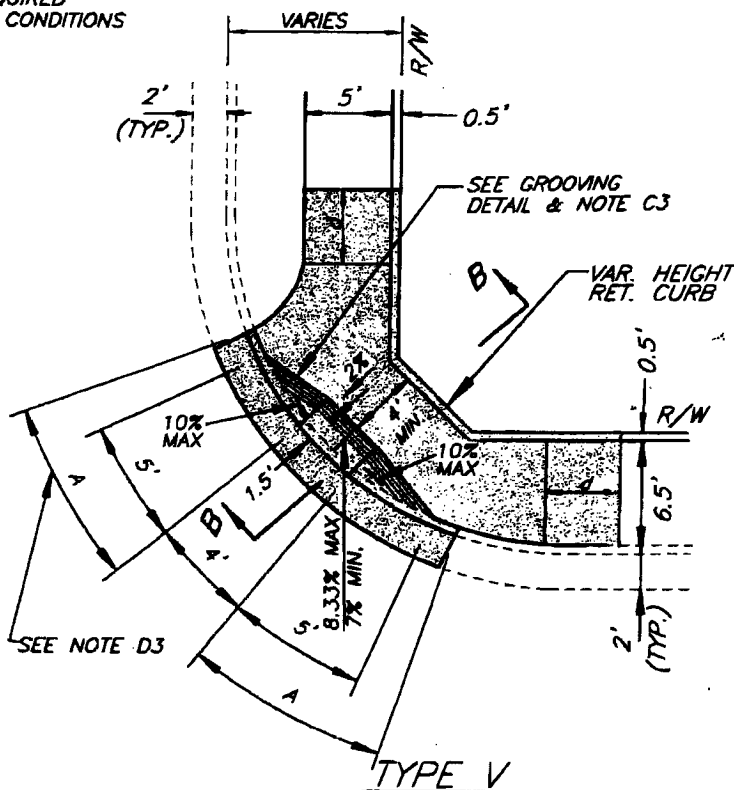
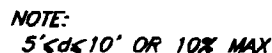


APPROVED *Norm Boyd* DATE 3/2/04
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CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT - ENGINEERING DIVISION

WHEELCHAIR RAMP

STANDARD DRAWING NO. 304 Sheet 1 of 4

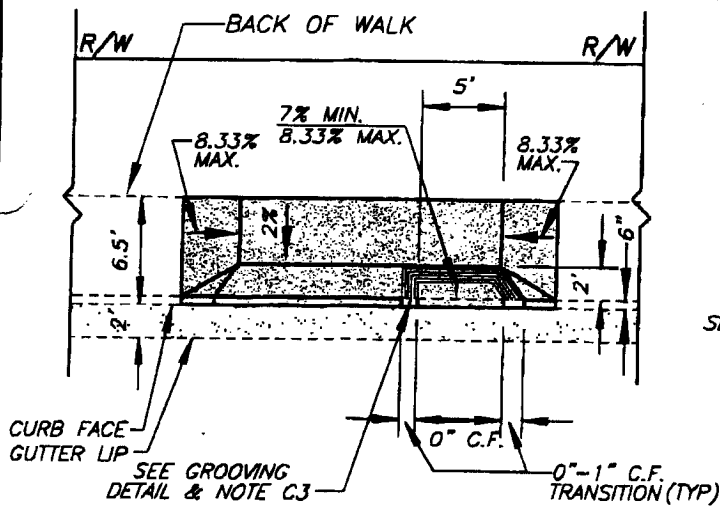


APPROVED: [Signature] DATE: 3/2/04
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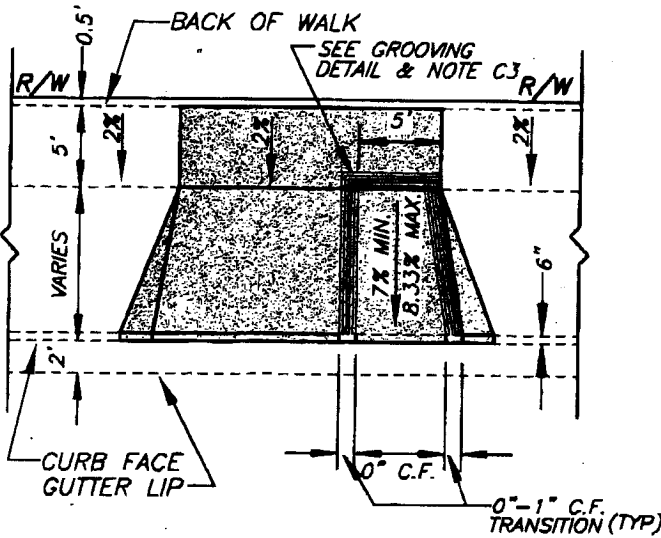
CITY OF RIVERSIDE
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WHEELCHAIR RAMP

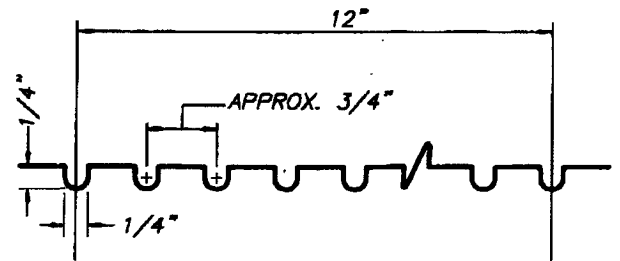
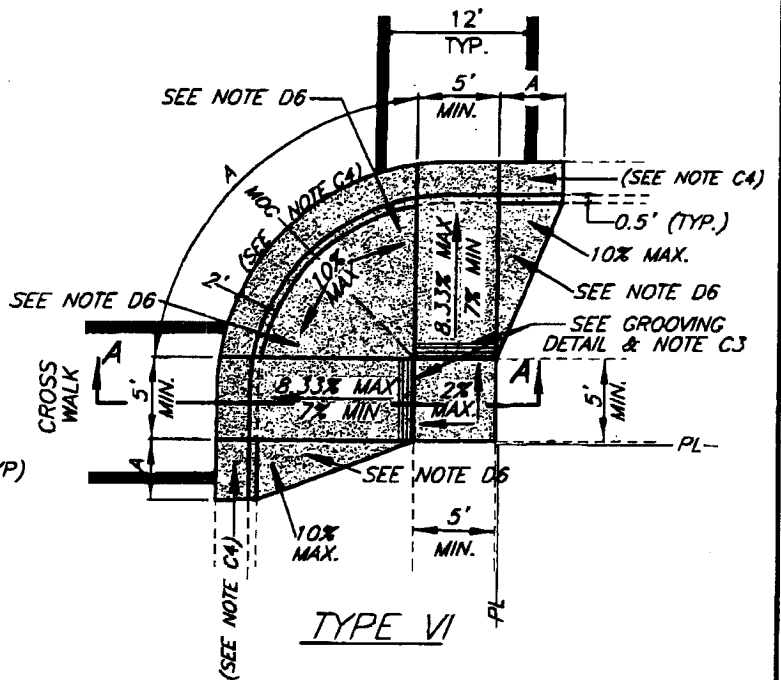
STANDARD DRAWING NO. **304** Sheet 2 of 4



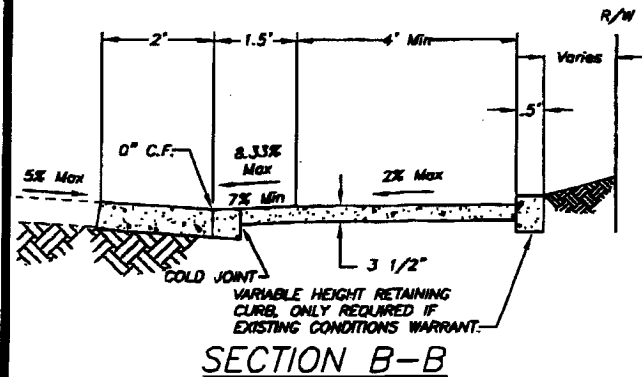
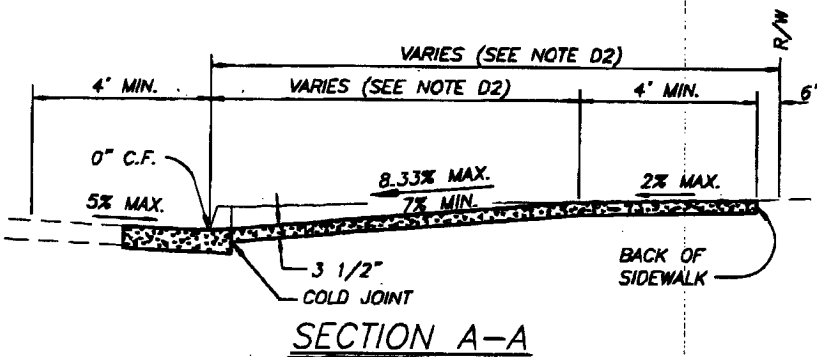
TYPE VII- @ MID BLOCK DWY
W/CURB SIDE SW
(REFER TO STD. DWG. 302 FOR DWY)



TYPE VII- @ MID BLOCK DWY
W/PROPERTY LINE SW
(REFER TO STD. DWG. 302 FOR DWY)



GROOVING DETAIL



APPROVED: *Shawn Boyd* DATE: 3/2/04
CITY ENGINEER - R.C.E. 38170

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PUBLIC WORKS DEPARTMENT - ENGINEERING DIVISION

WHEELCHAIR RAMP

NOTES:

CONSTRUCTION NOTES:

- C1. Concrete shall be per current edition of the "Standard Specifications for Public Works Construction." (520-C-2500).
- C2. The wheelchair ramp shall be poured monolithically with the adjacent sidewalk, following the requirements specified on sheet 1.
- C3. The ramp shall have a 12" wide border with 1/4" grooves approximately 3/4" O.C. See grooving detail, sheet 2. The surface of the ramp shall have a transverse broomed surface texture rougher than the surrounding sidewalk.
- C4. Gutter cross slope shall be transitioned from the standard or existing at the full height curb through the 'A' distance to 5% at the bottom of the wheelchair ramp where the curb face is 0" in height.
- C5. Typical crosswalk shall be aligned with the ramp at the M.O.C. as shown (TYPE I). Or as shown centered on directional ramp (TYPE VI).

DESIGN NOTES:

- D1. Type I ramp shall be used for all new construction or wherever existing conditions permit. Ramp types II through V are to be used wherever existing conditions restrict the use of a type I ramp. Variable height retaining curb shall be used only adjacent to non-traversable areas.
- D2. Wheelchair ramp length(s) shall be adjusted to meet the slope requirements as shown on this plan.
- D3. "A" dimension shall be adjusted to meet the slope requirements as shown on this plan, except the ramp must not extend beyond the end of the curb return.
- D4. Wheelchair ramps shall be required in each quadrant or corner of an intersection and at midblock locations on streets opposite "T" intersections.
- D5. Wheelchair ramps in mid-block (at "T" intersections) shall be placed in line with ramps on the opposite side of the street. If no opening is provided in a median (on divided streets), the ramps shall be omitted in the mid-block location.
- D6. Where the gutter can be raised to the top of the curb (no drainage in the return area because of catch basins or high point in grade) the wheelchair ramp may be eliminated by raising the gutter grade and decreasing the curb face to 0". The 12" wide border as described in note C3 shall be placed along the back of curb through the width of the 0" curb face.
- D7. Wheelchair ramps shall be located as shown on Sheets 1 & 2 except under the following conditions:
 - (a) When location conflicts with existing storm drain, traffic signal or utility facilities, the wheelchair ramp shall be relocated to an appropriate position within or adjacent to the curb return area as approved by the City Engineer. However, if the ramp cannot be positioned in a safe location the conflicting facility is to be relocated.
 - (b) When the wheelchair ramp is to be constructed in a return that is downstream of a cross gutter and the wheelchair ramp may cause a drainage problem, the wheelchair ramp shall be relocated to an appropriate area downstream of the M.O.C.
 - (c) In existing curb returns with right-of-way limitations, the wheelchair ramp shall be located within the curb return area where the right-of-way width is sufficient.
- D8. Wheelchair ramp wings or retaining curbs:
 - (a) Where adjacent areas are paved, wheelchair ramp wings (10% slope) shall be installed.
 - (b) Where adjacent areas are landscaped or ramp construction is adjacent to existing facilities (as listed in D7-a) variable height retaining curb shall be installed.
- D9. The wheelchair ramp must be located to be aligned completely within a striped crosswalk.

APPROVED

CITY ENGINEER - R.C.E. 38170

DATE 3/2/04

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WHEELCHAIR RAMP

STANDARD DRAWING NO. **304** Sheet 4 of 4